SEVENTH APPROXIMATION
DATA FORM FOR CONVENTIONAL ASSESSMENT UNITS (Version 6, 9 April 2003)

IDENTIFICATION INFORMATION

Assessment Geologist:	R.C. Johnson, M.A. Kirschbaum, and T.M. Finn	Date:	9/21/2005
Region:	North America	Number:	5
Province:	Wind River Basin	Number:	5035
Total Petroleum System:	Cretaceous-Lower Tertiary Composite	Number:	503502
Assessment Unit:	Cretaceous-Tertiary Conventional	Number:	50350201
Based on Data as of:	IHS Energy (2005), Wyoming Oil and Gas Conservation Commision (2005)		
Notes from Assessor:	NRG Associates (2005, data current through 2003), Wyoming Geological		
	Association (1989); Mowry (50370201), Hilliard-Baxter-Mancos (50370401),		
	and Mesaverde (50370501) assessment units as partial analogs.		

CHARACTERISTICS OF ASSESSMENT UNIT

Oil (<20,000 cfg/bo overall) **or** Gas (≥20,000 cfg/bo overall):   Oil

What is the minimum accumulation size?   0.5   mmboe grown
(the smallest accumulation that has potential to be added to reserves)

No. of discovered accumulations exceeding minimum size: Oil: 12   Gas: 17

Established (>13 accums.)   X   Frontier (1-13 accums.) _____   Hypothetical (no accums.) _____

Median size (grown) of discovered oil accumulations (mmbo):
1st 3rd   1.54   2nd 3rd   1.62   3rd 3rd _____
Median size (grown) of discovered gas accumulations (bcfg):
1st 3rd   32.5   2nd 3rd   85.3   3rd 3rd   72

Assessment-Unit Probabilities:

Attribute	Probability of occurrence (0-1.0)
1. **CHARGE:** Adequate petroleum charge for an undiscovered accum. ≥ minimum size:	1.0
2. **ROCKS:** Adequate reservoirs, traps, and seals for an undiscovered accum. ≥ minimum size:	1.0
3. **TIMING OF GEOLOGIC EVENTS:** Favorable timing for an undiscovered accum. ≥ minimum size	1.0

Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3):   1.0

UNDISCOVERED ACCUMULATIONS

No. of Undiscovered Accumulations: How many undiscovered accums. exist that are ≥ min. size?:
(uncertainty of fixed but unknown values)

Oil Accumulations:	minimum (>0)	1	mode	3	maximum	15
Gas Accumulations:	minimum (>0)	1	mode	5	maximum	20

Sizes of Undiscovered Accumulations: What are the sizes (**grown**) of the above accums.?:
(variations in the sizes of undiscovered accumulations)

Oil in Oil Accumulations (mmbo):	minimum	0.5	median	1.5	maximum	10
Gas in Gas Accumulations (bcfg):	minimum	3	median	10	maximum	50

AVERAGE RATIOS FOR UNDISCOVERED ACCUMS., TO ASSESS COPRODUCTS
(uncertainty of fixed but unknown values)

Oil Accumulations:	minimum	mode	maximum
Gas/oil ratio (cfg/bo)	1750	3500	5250
NGL/gas ratio (bngl/mmcfg)	12	24	36

Gas Accumulations:	minimum	mode	maximum
Liquids/gas ratio (bliq/mmcfg)	4	8	12
Oil/gas ratio (bo/mmcfg)			

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS
(variations in the properties of undiscovered accumulations)

Oil Accumulations:	minimum		mode		maximum
API gravity (degrees)	30		40		50
Sulfur content of oil (%)	0		0.1		0.5
Depth (m) of water (if applicable)					

	minimum	F75	mode	F25	maximum
Drilling Depth (m)	150	1424	2000	2453	3660

Gas Accumulations:	minimum		mode		maximum
Inert gas content (%)	0		0.5		15
CO_2 content (%)	0		0.5		2
Hydrogen-sulfide content (%)	0		0		0
Depth (m) of water (if applicable)					

	minimum	F75	mode	F25	maximum
Drilling Depth (m)	460	1605	2100	2543	3660

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Assessment Unit (name, no.)
Cretaceous-Tertiary Conventional, 50350201

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO STATES
Surface Allocations (uncertainty of a fixed value)

1. Wyoming _____ represents ___100___ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		100	

Gas in Gas Accumulations:			
Volume % in entity		100	

2. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

3. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

4. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

5. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

6. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

7. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
    Volume % in entity   _____   _____   _____

Gas in Gas Accumulations:
    Volume % in entity   _____   _____   _____

8. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
    Volume % in entity   _____   _____   _____

Gas in Gas Accumulations:
    Volume % in entity   _____   _____   _____

9. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
    Volume % in entity   _____   _____   _____

Gas in Gas Accumulations:
    Volume % in entity   _____   _____   _____

10. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
    Volume % in entity   _____   _____   _____

Gas in Gas Accumulations:
    Volume % in entity   _____   _____   _____

11. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
    Volume % in entity   _____   _____   _____

Gas in Gas Accumulations:
    Volume % in entity   _____   _____   _____

12. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
    Volume % in entity   _____   _____   _____

Gas in Gas Accumulations:
    Volume % in entity   _____   _____   _____

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES
Surface Allocations (uncertainty of a fixed value)

1.   Federal Lands   represents   38.41   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		32	

Gas in Gas Accumulations:			
Volume % in entity		33	

2.   Private Lands   represents   33.41   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		40	

Gas in Gas Accumulations:			
Volume % in entity		30	

3.   Tribal Lands   represents   21.48   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		20	

Gas in Gas Accumulations:			
Volume % in entity		31	

4.   Other Lands   represents   0.9   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		1	

Gas in Gas Accumulations:			
Volume % in entity		1	

5.   WY State Lands   represents   5.81   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		7	

Gas in Gas Accumulations:			
Volume % in entity		5	

6.   _____   represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

7. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
   Volume % in entity

Gas in Gas Accumulations:
   Volume % in entity

8. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
   Volume % in entity

Gas in Gas Accumulations:
   Volume % in entity

9. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
   Volume % in entity

Gas in Gas Accumulations:
   Volume % in entity

10. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
   Volume % in entity

Gas in Gas Accumulations:
   Volume % in entity

11. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
   Volume % in entity

Gas in Gas Accumulations:
   Volume % in entity

12. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
   Volume % in entity

Gas in Gas Accumulations:
   Volume % in entity

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO FEDERAL LAND SUBDIVISIONS
Surface Allocations (uncertainty of a fixed value)

1. Bureau of Land Management (BLM)   represents   35.04   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		32	

Gas in Gas Accumulations:			
Volume % in entity		32	

2. BLM Wilderness Areas (BLMW)   represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

3. BLM Roadless Areas (BLMR)   represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

4. National Park Service (NPS)   represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

5. NPS Wilderness Areas (NPSW)   represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

6. NPS Protected Withdrawals (NPSP)   represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

7. US Forest Service (FS) _____ represents ___0.04___ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		0	

Gas in Gas Accumulations:			
Volume % in entity		0	

8. USFS Wilderness Areas (FSW) _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

9. USFS Roadless Areas (FSR) _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

10. USFS Protected Withdrawals (FSP) _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

11. US Fish and Wildlife Service (FWS) _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

12. USFWS Wilderness Areas (FWSW) _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

13. USFWS Protected Withdrawals (FWSP) _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
  Volume % in entity

Gas in Gas Accumulations:
  Volume % in entity

14. Wilderness Study Areas (WS) _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
  Volume % in entity

Gas in Gas Accumulations:
  Volume % in entity

15. Department of Energy (DOE) _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
  Volume % in entity

Gas in Gas Accumulations:
  Volume % in entity

16. Department of Defense (DOD) _____ represents   0.04   area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
  Volume % in entity   0

Gas in Gas Accumulations:
  Volume % in entity   0

17. Bureau of Reclamation (BOR) _____ represents   3.29   area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
  Volume % in entity   0

Gas in Gas Accumulations:
  Volume % in entity   1

18. Tennessee Valley Authority (TVA) _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
  Volume % in entity

Gas in Gas Accumulations:
  Volume % in entity

19. Other Federal _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
   Volume % in entity

Gas in Gas Accumulations:
   Volume % in entity

20. _____ represents _____ area % of the AU

Oil in Oil Accumulations: minimum   mode   maximum
   Volume % in entity

Gas in Gas Accumulations:
   Volume % in entity

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ECOSYSTEMS
Surface Allocations (uncertainty of a fixed value)

1. Central Basin and Hills (CNBH)   represents   86.6   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		100	

Gas in Gas Accumulations:			
Volume % in entity		100	

2. Wind River Mountain (WRMT)   represents   12.11   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		0	

Gas in Gas Accumulations:			
Volume % in entity		0	

3. Yellowstone Highlands (YSHL)   represents   1.28   area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity		0	

Gas in Gas Accumulations:			
Volume % in entity		0	

4. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

5. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

6. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity			

Gas in Gas Accumulations:			
Volume % in entity			

7. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity	_____	_____	_____

Gas in Gas Accumulations:			
Volume % in entity	_____	_____	_____

8. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity	_____	_____	_____

Gas in Gas Accumulations:			
Volume % in entity	_____	_____	_____

9. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity	_____	_____	_____

Gas in Gas Accumulations:			
Volume % in entity	_____	_____	_____

10. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity	_____	_____	_____

Gas in Gas Accumulations:			
Volume % in entity	_____	_____	_____

11. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity	_____	_____	_____

Gas in Gas Accumulations:			
Volume % in entity	_____	_____	_____

12. _____ represents _____ area % of the AU

Oil in Oil Accumulations:	minimum	mode	maximum
Volume % in entity	_____	_____	_____

Gas in Gas Accumulations:			
Volume % in entity	_____	_____	_____